# GRSM FISH COLLECTION FORM

SHEET 2 of 2 DATE _____

STREAM Walker camp prong SURVEY BEGAN _____ $H_2O$ TEMP _____

ELEVATION _____ LOCALITY _____ ENDED _____ pH _____

STATION 2 WATERSHED _____ USGS QUAD _____ CONDUCT _____

SHOCKER # 2 TAG # UP _____ COUNTY _____ DO _____

PERSON # 6 DOWN _____ STATE _____ ALKALINITY _____

Run II EM

| | SPECIES | TL (mm) | WT (g) | SCALE # | NOTES | SPECIES | TL (mm) | WT (g) | SCALE # | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BKT | 104 | 11.0 | | | | | | | |
| | RBT | 100 | 55.4 | | | | | | | |
| | ↓ | 122 | 20.0 | | | | | | | |
| | | 102 | 13.0 | | | | | | | |
| 5 | | 118 | 17.5 | | | | | | | |
| | | 114 | 13.5 | | | | | | | |
| | | 110 | 11.9 | | | | | | | |
| | | 135 | 21.2 | | | | | | | |
| | | 112 | 12.2 | | | | | | | |
| 10 | RBT | 121 | 16.4 | | | | | | | |
| | RBT | 125 | 17.0 | | | | | | | |
| | BKT | 66 | 2.8 | | | | | | | |
| | RBT | 106 | 10.6 | | | | | | | |
| | BKT | 75 | 4.0 | | | | | | | |
| 15 | ↓ | 58 | 1.9 | | | | | | | |
| | | 103 | 2.9 | | | | | | | |
| | RBT | 136 | 23.9 | | | | | | | |
| | BKT | 109 | 11.5 | | | | | | | |
| | ~~~~~ | ~~~~~ | ~~~~~ | ~~~~~ | ~~~~~ | | | | | |
| 20 | RBT | 46 | 1.0 | | DOA | | | | | |
| | BKT | 127 | 17.5 | | | | | | | |
| | BKT | 113 | 15.7 | | | | | | | |
| | RBT | 157 | 38.2 | | | | | | | |
| | BKT | 125 | 16.7 | | | | | | | |
| 25 | RBT | 103 | 9.0 | | | | | | | |
| | RBT | 100 | 10.0 | | | | | | | |
| | RBT | 96 | 9.5 | | | | | | | |
| | RBT | 131 | 20.6 | | | | | | | |
| | RBT | 147 | 31.8 | | | | | | | |
| 30 | RBT | 194 | 56.3 | | | | | | | |
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| 45 | | | | | | | | | | |

Run III CEC

COMMENTS:

EM/TJ 7/30/13

# Great Smoky Mountains National Park Stream Monitoring Data Sheet

Stream _____ Section _____ Date _____
Watershed _____ Elevation _____ Time Start: _____ End: _____
State _____ Stream Order _____ Photo # _____
County _____ Location _____ Crew _____
Quadrangle _____
Voltage _____
Temp (C°) _____ Cond. (µS) _____

| Transect | Width (m) | Width (m) | %gradient |
|---|---|---|---|
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| | | | |
| | | | |
| Mean | | | |

**Area (Length x Mean Width) =** _____

GPS: _____ Upper tag: _____
Datum: _____ Lower tag: _____
Notes: _____

Cell Width: Fixed: _____ Variable: _____
Cell Width = Depth to Depth

| DISTANCE ON TAPE (feet) | DEPTH (feet) | VELOCITY (feet/sec) | CELL VOLUME (cubic feet/sec) |
|---|---|---|---|
| | | | 1 |
| | | | |
| | | | 2 |
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| | | | 3 |
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| | | | 12 |
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| | | | 13 |
| | | | |
| | | | 14 |
| | | | |
| | | | 15 |
| | | | |

DISCHARGE (cfs) = _____

# GRSM FISH COLLECTION FORM

SHEET 1 of 2 DATE _____

STREAM _____ SURVEY BEGAN _____ $H_2O$ TEMP _____

ELEVATION _____ LOCALITY _____ ENDED _____ pH _____

STATION _____ WATERSHED _____ USGS QUAD _____ CONDUCT _____

SHOCKER # _____ TAG # UP _____ COUNTY _____ DO _____

PERSON. # _____ DOWN _____ STATE _____ ALKALINITY _____

Run I GB

| | SPECIES | TL (mm) | WT (g) | SCALE # | NOTES | SPECIES | TL (mm) | WT (g) | SCALE # | NOTES |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | BKT | 66 | 3.2 | | | RBT | 146 | 28.8 | | |
| | " | 70 | 3.4 | | | " | 159 | 47.2 | | |
| | " | 67 | 3.4 | | | " | 196 | 72.2 | | |
| | RBT | 52 | 1.6 | | | " | 124 | 19.6 | | |
| 5 | BKT | 61 | 2.1 | | | " | 159 | 34.1 | | |
| | " | 64 | 2.7 | | | " | 132 | 21.6 | | |
| | " | 61 | 2.6 | | | " | 163 | 43.1 | | |
| | RBT | 44 | 1.2 | | | " | 114 | 9.6 | | |
| | BKT | 68 | 3.6 | | | " | 116 | 15.7 | | |
| 10 | " | 63 | 3.4 | | | " | 128 | 23.5 | | |
| | RBT | 133 | 22.3 | | | " | 134 | 23.3 | | |
| | " | 113 | 14.0 | | | " | 176 | 57.4 | | |
| | BKT | 97 | 10.0 | | | " | 123 | 19.1 | | |
| | " | 136 | 22.5 | | | BKT | 109 | 11.5 | | |
| 15 | " | 119 | 15.4 | | | " | 114 | 13.8 | | |
| | " | 110 | 15.1 | | | RBT | 127 | 19.7 | | |
| | " | 109 | 12.1 | | | " | 136 | 22.5 | | |
| | " | 123 | 18.6 | | | " | 133 | 20.4 | | |
| | " | 119 | 16.2 | | | " | 120 | 15.3 | | |
| 20 | RBT | 114 | 12.8 | | | " | 150 | 29.2 | | |
| | BKT | 159 | 29.7 | | | BKT | 114 | 13.9 | | DOA |
| | RBT | 138 | 23.6 | | | RBT | 121 | 16.7 | | |
| | BKT | 147 | 29.6 | | | BKT | 97 | 8.0 | | |
| | " | 103 | 10.1 | | | " | 99 | 10.1 | | |
| 25 | RBT | 132 | 21.3 | | | RBT | 115 | 14.0 | | |
| | " | 119 | 18.7 | | | BKT | 155 | 41.6 | | |
| | BKT | 67 | 3.9 | | | RBT | 146 | 30.2 | | |
| | " | 138 | 26.8 | | | " | 121 | 18.0 | | |
| | " | 126 | 18.5 | | | " | 129 | 20.2 | | |
| 30 | " | 112 | 12.6 | | | " | 113 | 14.9 | | |
| | " | 113 | 13.6 | | | " | 124 | 16.9 | | |
| | RBT | 146 | 28.0 | | | " | 131 | 19.7 | | |
| | " | 160 | 40.4 | | | " | 120 | 16.6 | | |
| | " | 143 | 24.6 | | | " | 129 | 18.6 | | |
| 35 | " | 114 | 14.8 | | | " | 176 | 48.4 | | |
| | " | 128 | 20.8 | | | " | 124 | 17.9 | | |
| | " | 111 | 12.3 | | | " | 125 | 18.8 | | |
| | " | 123 | 18.4 | | | " | 114 | 14.8 | | |
| | " | 127 | 20.4 | | | BKT | 122 | 18.2 | | |
| 40 | " | 132 | 21.4 | | | " | 100 | 9.4 | | |
| | " | 116 | 15.6 | | | | | | | |
| | " | 123 | 16.8 | | | | | | | |
| | BKT | 168 | 48.9 | | | | | | | |
| | RBT | 161 | 36.5 | | | | | | | |
| 45 | | | | | | | | | | |

COMMENTS:

Run II on Pg 2

# Great Smoky Mountains National Park Stream Monitoring Data Sheet

Stream: Walker Camp Prong | Section: 2 | Date: 7-30-13
Watershed: | Elevation: | Time: Start: 10-32 End: 01:00
State: TN | Stream Order: | Photo #:
County: Sevier | Location: | Crew: ME JEC GB EM
Quadrangle:
Voltage:
Temp (C°): 12.7 | Cond. (µS): 29.1

| Transect | Width (m) | Width (m) | %gradient |
|---|---|---|---|
| 0 | 6.7 | | |
| 10 | 5.3 | | |
| 20 | 7.3 | | |
| 30 | 7.5 | | |
| 40 | 7.3 | | |
| 50 | 9.2 | | |
| 60 | 5.8 | | |
| 70 | 7.6 | | |
| 80 | 7.6 | | |
| 90 | 3.8 | | |
| 94.1 | 5.4 | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Mean | 6.7 | | |

**Area (Length x Mean Width) =** 630.47

GPS: | Upper tag:
Datum: | Lower tag: WCP 2D
Notes:

Cell Width: Fixed: | Variable:
Cell Width = Depth to Depth

| DISTANCE ON TAPE (feet) | DEPTH (feet) | VELOCITY (feet/sec) | CELL VOLUME (cubic feet/sec) | |
|---|---|---|---|---|
| 3 | 0.1 | | | 1 |
| 4 | | 0.08 | 0.016 | |
| 5 | 0.1 | | | 2 |
| 6 | | 0.08 | 0.024 | |
| 7 | 0.2 | | | 3 |
| 8 | | 0.1 | 0.08 | |
| 9 | 0.6 | | | 4 |
| 10 | | 0.12 | 0.132 | |
| 11 | 0.5 | | | 5 |
| 12 | | 0.12 | 0.156 | |
| 13 | 0.8 | | | 6 |
| 14 | | 0.52 | 0.78 | |
| 15 | 0.7 | | | 7 |
| 16 | | 1.07 | 1.391 | |
| 17 | 0.6 | | | 8 |
| 18 | | 0.2 | 0.2 | |
| 19 | 0.4 | | | 9 |
| 20 | | 0.42 | 0.294 | |
| 21 | 0.3 | | | 10 |
| 22 | | 0.19 | 0.076 | |
| 23 | .1 | | | 11 |
| | | | | |
| | | | | 12 |
| | | | | |
| | | | | 13 |
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| | | | | 14 |
| | | | | |
| | | | | 15 |
| | | | | |

DISCHARGE (cfs) = 3.149

EM/TJ
7/30/13